

ABSTRACT OF THE DISCLOSURE

5 This invention relates to novel fluorescent GFPs
and BFPs. A novel BFP according to this invention has
an F64L mutation as well as a L236R mutation and is
provided with improved fluorescence. Furthermore,
another BFP has the F64L mutation with the
characteristics as described above and other
mutations, V163A and S175G, and it possesses markedly
improved characteristics in the expression at 37 °C
10 in addition to those as described above.